National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) **SDG** Y93R9 **Case** 43788 **Contract** EPW11033 **Region** 9 **DDTID** 183206 **SOW** SOM01.2

Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	VOA_Trace
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	VBLKG5, Y93S1, Y93S2
	Vinyl chloride VSTD005G5
	VBLKG5, Y93S1, Y93S2

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DMC/Surrogate

DMC/Surrogate	VOA_Trace
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y93R9, Y93S1, Y93S1DL, Y93S3, Y93S4, Y93S4MS, Y93S5, Y93S6, Y93S7, Y93S8, Y93T0, Y93T1, Y93T1DL, Y93T3, Y93T4, Y93T5, Y93T6, Y93T8, Y93T9, Y93T9DL
	Benzene-d6 Y93S1DL, Y93S4, Y93S5, Y93S6, Y93S7, Y93S8, Y93T0, Y93T1, Y93T3, Y93T4, Y93T5, Y93T6, Y93T8
	Benzene
	1,2-Dichloropropane-d6 Y93S1, Y93S1DL, Y93S3, Y93S4MS, Y93S5, Y93S6, Y93S7, Y93S8, Y93T0, Y93T1, Y93T3, Y93T4, Y93T5, Y93T6, Y93T8, Y93T9, Y93T9DL
	1,1,2,2-Tetrachloroethane-d2 Y93R9, Y93S1, Y93S7, Y93S8, Y93T0, Y93T1, Y93T1DL, Y93T3, Y93T4, Y93T5, Y93T6, Y93T8, Y93T9

DMC/Surrogate	VOA_Trace
VTDSS3201	The following diluted trace volatile samples with dilution factors less than or equal to 5 have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y93S1DL
	Benzene-d6 Y93S1DL
	Benzene
	1,2-Dichloropropane-d6 Y93S1DL

DMC/Surrogate	VOA_Trace
VTDSS323	The following diluted trace volatile samples with dilution factors greater than 5 have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected and nondetected compounds are not qualified.
	Y93T1DL, Y93T9DL
	1,2-Dichloropropane-d6 Y93T9DL
	1,1,2,2-Tetrachloroethane-d2 Y93T1DL

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Detection Limit

Detection Limit	VOA_Trace
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL).　Detected compounds are qualified J.　Nondetected compounds are not qualified.
	Y93R9, Y93S0, Y93S1, Y93S1DL, Y93S2, Y93S4, Y93S5, Y93S7, Y93S9, Y93T0, Y93T1, Y93T2, Y93T6, Y93T8, Y93T8DL, Y93T9
	1,1-Dichloroethane　Y93S1
	Trichloroethene　Y93S5, Y93S9
	cis-1,2-Dichloroethene　Y93S1, Y93T1
	m,p-Xylene　Y93R9, Y93S0
	1,1-Dichloroethene　Y93S7, Y93T0, Y93T8DL, Y93T9
	Toluene　Y93R9, Y93S0, Y93S2, Y93S4, Y93T2, Y93T6
	1,1,2-Trichloro-1,2,2-trifluoroethane　Y93R9, Y93T0
	1,1,1-Trichloroethane　Y93S1DL, Y93T0, Y93T8, Y93T8DL
	Benzene　Y93R9, Y93S0, Y93S4, Y93T6

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Matrix Spikes

Matrix Spikes	VOA_Trace
VTMS2	The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y93S4MS, Y93S4MSD
	Benzene Y93S4MS, Y93S4MSD
Matrix Spikes	**VOA_Trace**
VTMS5	The following trace volatile matrix spike/matrix spike duplicate samples have percent recoveries greater than or equal to the expanded lower acceptance limit but less than the primary lower acceptance limit. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y93S4MS
	Benzene Y93S4MS

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TIC

TIC	VOA_Trace
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	VBLKL5, Y93S3, Y93T2
	Benzene, 1,2,4-trichloro- VBLKL5, Y93S3, Y93T2